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RESULT 11
 US-09-303-232-3
 ; Sequence 3, Application US/09303232A
 ; GENERAL INFORMATION:
 ; APPLICANT: Bayer Aktiengesellschaft
 ; TITLE OF INVENTION: Nucleic Acids which encode
 ; TITLE OF INVENTION: insect acetylcholine receptor subunits
 ; FILE REFERENCE: Le A 33 020-Foreign Countries
 ; CURRENT APPLICATION NUMBER: US/09/303,232A
 ; CURRENT FILING DATE: 1999-04-30
 ; EARLIER APPLICATION NUMBER: DE 198 19 829.9
 ; EARLIER FILING DATE: 1998-05-04
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 3700
 ; TYPE: DNA
 ; ORGANISM: Heliothis virescens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (335)..(1822)
 US-09-303-232-3

Query Match 22.2%; Score 512.8; DB 17; Length 3700;
 Best Local Similarity 62.5%; Pred. No. 2.4e-128;
 Matches 878; Conservative 0; Mismatches 502; Indels 24; Gaps 4;

Qy	925	ggatatcatgaaaagagactgttacacgatcttttggatccttataatacactagaacgt	984
Db	425	gggtaccacgagaagcggctactgcaccacctattggaccactacaacgtactggagagg	484
Qy	985	cccgttctcaatgaatcggaccggttacaattaagctttggttaactttaatgcaaatt	1044
Db	485	cccgctcgtcaacgagagcgaccgctgcagctctcctcggcctcacgctcatgcagatc	544
Qy	1045	atcgatgtggagcagagaaaaatcaattgctagtactactaatgtgtggttaaaactggagtgg	1104
Db	545	atcgacgtggacgagaagaaccagcttttaataacaaacatctggctaaaactagagtgg	604
Qy	1105	aacgacatgaatctccgctggaacacctccgactatggcggaggttaaggatctgcgaata	1164
Db	605	aatgatatgaacttgaggtggaacacttcagatttcggcggggcctaaagatttaagagtg	664
Qy	1165	ccgcccgcacgcatctggaagccggacgtgctgtgtgtacaacagtcggatgagggattt	1224
Db	665	ccaccccacagactatggaaccagacgtccttatgtacaacagcgcggacgaagggttc	724

Db	1799	tccg	gcc	acac	atcat	gg	gt	gcg	1822

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Qy

RESULT 9
US-09-303-232-1
; Sequence 1, Application US/09303232A
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Nucleic Acids which encode
; TITLE OF INVENTION: insect acetylcholine receptor subunits
; FILE REFERENCE: Le A 33 020-Foreign Countries
; CURRENT APPLICATION NUMBER: US/09/303,232A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: DE 198 19 829.9
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2886
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (372)..(2681)
US-09-303-232-1

Query Match 27.4%; Score 411.4; DB 17; Length 2886;
Best Local Similarity 68.8%; Pred. No. 2.4e-100;
Matches 565; Conservative 0; Mismatches 256; Indels 0; Gaps 0;

us-09-303-232-5

Qy	57	aggtcctcacgagaagagactcctgaacgcggttgctgcggaactacaacacctggagcg	116
Db	1295	aggatatacatgaaaagagactgttacacgactcttttgatccttataatacactagaacg	1354
Qy	117	accggtggccaacgagagcgaaaccgctagaggctcaggttcggcttgacctgcagcaaat	176
Db	1355	tcccggttctcaatgaatcggaaccggttacaattaagctttggtttaactttaatgcaaat	1414
Qy	177	cattgacgtggagcagagaagaatcaactacttataaccaatatatggctgtcgttggagtg	236
Db	1415	tatcgatgtggagcagaaaaatcaattgctagtcactaatgtgtggttaaaactggagtg	1474
Qy	237	gaatgactacaacctgaggtggaacgacagcgagtatggcggggtcaaggacctcaggat	296
Db	1475	gaacgcatgaatctccgctggaacacctccgactatggcggagttaaggatctgcgaat	1534
Qy	297	cacgccaacaagtgttggaagccggacgtccttatgtataatagtctgacgaggggtt	356
Db	1535	accgcgcgcatcgcatctggaagccggacgtgctgatgtacaacagtcgggatgagggatt	1594
Qy	357	tgacgggacctaccagaccaacgctgggtgcagaagcggcgagttgacctgtacgtgcc	416
Db	1595	tgacggcacctaccagacgaacgctgggtgcggaacaacggcgtcgtgtctatacgttcc	1654
Qy	417	acctggcatattcaagagcacatgcaagatggacatcgctgggttcccttcgacgacca	476
Db	1655	gcgggggatcttcaagtgcagctgcaagatcgacatcacgtggttcccttcgatgacca	1714
Qy	477	acactgtgatatgaagttcggtagctggacatatgacggcaatcagttggatctggtgct	536
Db	1715	gcggtgcgagatgaagttcggcagttggacctacgacggattccagctggattacaatt	1774
Qy	537	aaaagatgaggcaggcgcgatctatcggaacttcataacaaatggggagtggtatctaat	596
Db	1775	acaagatgaaactggcgggtgatcatcgacggttacgtgctcaacggcgagtggaactact	1834
Qy	597	aggaatgccaggcaaaaagaacacaataacatacgcgctgtgccccgagccctacgtgga	656
Db	1835	gggtgtgccccgcaaacgttaacgagatctattacaactgctgccgggaacctatataga	1894
Qy	657	cgtaaccttcacatcatgataagaagacgaaccttgtaactacttctcaacctgatcgt	716
Db	1895	catcaaccttcgcatcatcatccgccgaagacactgtactatttctcaacctgatcat	1954
Qy	717	cccgctgctgctgatctcatcgatggcactcctcggttcacactgccaccagactccgg	776
Db	1955	acctgtgtactgattgcctccatggccttgctcggaattcaccctgcgcgagattccgg	2014
Qy	777	agagaaactcacacttgagtgactattcttctatcgctgacgggtgttctcaacctggt	836
Db	2015	tgaaaaattatcgctgggtgttaccatcttgcctcgcgtgaccggtgttctggaatggt	2074
Qy	837	agccgagacctgccacagggtctccgacgctatccccctgt	877
		gagacaatgccgcctacttccgatgcggtgccattgt	2115

US-09-303-232-3
 : Sequence 3, Application US/09303232A
 :
 : GENERAL INFORMATION:
 : APPLICANT: Bayer Aktiengesellschaft
 : TITLE OF INVENTION: Nucleic Acids which encode
 : TITLE OF INVENTION: Insect acetylcholine receptor subunits
 : FILE REFERENCE: Le A 33 020-Foreign Countries
 : CURRENT APPLICATION NUMBER: US/09/303,232A
 : CURRENT FILING DATE: 1999-04-30
 : EARLIER APPLICATION NUMBER: DE 198 19 829.9
 : EARLIER FILING DATE: 1998-05-04
 : NUMBER OF SEQ ID NOS: 6
 : SOFTWARE: Patentln Ver. 2.1
 : SEQ ID NO 3
 : LENGTH: 3700
 : TYPE: DNA
 : ORGANISM: Heliothis virescens
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: (335)..(1822)
 : US-09-303-232-3

Query Match 38.3%; Score 575; DB 17; Length 3700;
 Best Local Similarity 64.6%; Pred. No. 1,1e-144;

Oy 1144 gatattgatgatgactcagacacgcccctcgcgtccctcctaagaactactcgtccgacggg 1204
 Db 1508 gacatcgaatgacgaactctccgaccccgaaagcgagcag-----cgcgaatgctgcgg 1560
 Oy 1204 aatttgggacctgggtgctcctaatactccgaacggaattccgtgcgtgcgtccg 1263
 Db 1561 ataactacaagggggttgagaggaattgccccgggggtcttggcggcgacaagattgtctcg ---- 1616
 Oy 1264 tccacatgtagaagacgtggggcggcgcttggtagccacatcgcgaactgcgaactaata 1323
 Db 1617 -----gtgtccgaactaagagctctccctcaat 1642
 Oy 1324 ctgagagagctgcagcttccatcacaagccagagatgaagaagagctgaagaaagccgagctg 1383
 Db 1643 ctgagagagattgagtcacatcacagaatcagatgcgcgaagagacagacgaagatgcggacat 1702
 Oy 1384 atcagcagctgtagatttctgcgaaagtgtctgtatagatttgcgtctgttcgttcgaaca 1443
 Db 1703 tccggcgactgcgagatctgcgcgcgaatgtgtgtagcagaacatgtgctctattatcttacc 1762
 Oy 1444 ctttcaacaatcgcgcgaatgaactctctgttatcttcgcgaacgcgacatatcatcgtg 1500
 Db 1763 ctgttccacatcatcgcacacgctagcgcgtgtgtctgtctgcgcgcacacatcatatggtg 1819

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Comparison of SEQ ID NOS: 325

US-09-303-232-3
Sequence 3, Application US/09303232A
GENERAL INFORMATION:
APPLICANT: Bayer Aktiengesellschaft
TITLE OF INVENTION: Nucleic Acids which encode
insect acetylcholine receptor subunits
FILE REFERENCE: Le A 33 020-Foreign Countries
CURRENT APPLICATION NUMBER: US/09/303, 232A
CURRENT FILING DATE: 1999-04-30
EARLIER APPLICATION NUMBER: DE 198 19 829.9
EARLIER FILING DATE: 1998-05-04
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 3700
TYPE: DNA
ORGANISM: Heliothis virescens
FEATURE:
NAME/KEY: CDS
LOCATION: (335)..(1822)
US-09-303-232-3

Query Match 38.3%; Score 575; DB 17; Length 3700;
Best Local Similarity 64.6%; Pred. No. 1, 1e-144;

Tue Jul 24 08:40:55 2001

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Matches	929;	Conservative	0.1
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Page 4

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Comparison of SEQ ID NOS: 1 & 3

RESULT 11
 US-09-303-232-3
 ; Sequence 3, Application US/09303232A
 ; GENERAL INFORMATION:
 ; APPLICANT: Bayer Aktiengesellschaft
 ; TITLE OF INVENTION: Nucleic Acids which encode
 ; TITLE OF INVENTION: insect acetylcholine receptor subunits
 ; FILE REFERENCE: Le A 33 020-Foreign Countries
 ; CURRENT APPLICATION NUMBER: US/09/303,232A
 ; CURRENT FILING DATE: 1999-04-30
 ; EARLIER APPLICATION NUMBER: DE 198 19 829.9
 ; EARLIER FILING DATE: 1998-05-04
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 3700
 ; TYPE: DNA
 ; ORGANISM: Heliothis virescens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (335)..(1822)
 US-09-303-232-3

Query Match 22.2%; Score 512.8; DB 17; Length 3700;
 Best Local Similarity 62.5%; Pred. No. 2.4e-128;
 Matches 878; Conservative 0; Mismatches 502; Indels 24; Gaps 4;

Qy	925	ggatatcatgaaaagagactgttacacgatcttttggatccttataatcabactagaaacgt	984	21
Db	425	gggtaccacgagaagcggctactgcaccacctattggaccactacaacgtactggagagg	484	
Qy	985	cccgttctcaatgaatcggaccggttacaattaagctttggttaactttaatgcaaat	1044	21
Db	485	cccgtcgtcaacgagagcgaccgctgcagctctccttcggcctcacgctcatgcagatc	544	
Qy	1045	atcgatgtggagcagaaaaatcaattgctagtactaatgtgtggttaaaactggagtg	1104	24
Db	545	atcgacgtggagcagagaaccagcttttaataacaaacatctggctaaaactagagtg	604	
Qy	1105	aacgacatgaatctccgctggaaacacctccgactatggcggagtttaaggatctgcgaata	1164	30
Db	605	aatgatatgaacttgaggtggaacacttcagatttcgcggggtcaaagatttaagagtg	664	
Qy	1165	ccgccgcatcgcatctggaagccggacgtgctgatgtacaacagtcggatgagggattt	1224	35
Db	665	ccacccacagactatggaaaccagacgtccttatgtacaacagcgcggacgaagggttc	724	

Db 1799 tccgcgccacatcatggtgtcg 1822

Comparison of SEQ ID NOS: 1 & 5

RESULT 9
US-09-303-232-1
; Sequence 1, Application US/09303232A
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Nucleic Acids which encode
; TITLE OF INVENTION: insect acetylcholine receptor subunits
; FILE REFERENCE: Le A 33 020-Foreign Countries
; CURRENT APPLICATION NUMBER: US/09/303,232A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: DE 198 19 829.9
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2886
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (372)..(2681)
US-09-303-232-1

Query Match 27.4%; Score 411.4; DB 17; Length 2886;
Best Local Similarity 68.8%; Pred. No. 2.4e-100;
Matches 565; Conservative 0; Mismatches 256; Indels 0; Gaps 0;

us-09-303-232-5

[illegible]